

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS

PATENT OF THE UNITED STATES IS:

1. A cage with a storage space for a lubricant, said cage comprising at least one storage space for lubricant between two chambers for rotating elements, said storage space comprising at least one outlet for the lubricant, wherein said storage space further comprises an opening that opens towards an axis of said cage.
2. The cage as claimed in claim 1, wherein said at least one outlet extends in a generally radial direction of said cage.
3. The cage as claimed in claim 1, wherein said at least one outlet extends in a generally tangential direction of said cage.
4. The cage as claimed in claim 1, wherein said storage space is a recess comprising a bottom generally perpendicular to said axis of said cage, and a lateral wall generally perpendicular to said bottom.
5. The cage as claimed in claim 1, wherein said storage space is a recess that widens outwardly from a bottom to said opening.
6. The cage as claimed in claim 1, wherein said at least one outlet extends in a generally radial direction of said cage and is shaped as a slot that extends from said opening.
7. The cage as claimed in claim 1, wherein said storage space comprises a plurality of slots that divide an external face of said storage space into generally identical surface portions.
8. The cage as claimed in claim 1, wherein said outlet extends in a tangential direction of said cage and opens into one of said two chambers.
9. A roller bearing comprising a cage with a storage space for a lubricant, said cage comprising at least one storage space for lubricant between two chambers for rotating

elements, said storage space comprising at least one outlet for the lubricant, wherein said storage space further comprises an opening that opens towards an axis of said cage.

10. The roller bearing as claimed in claim 9, wherein said at least one outlet extends in a generally radial direction of said cage.

11. The roller bearing as claimed in claim 9, wherein said at least one outlet extends in a generally tangential direction of said cage.

12. The roller bearing as claimed in claim 9, wherein said storage space is a recess comprising a bottom generally perpendicular to said axis of said cage, and a lateral wall generally perpendicular to said bottom.

13. The roller bearing as claimed in claim 9, wherein said storage space is a recess that widens outwardly from a bottom to said opening.

14. The roller bearing as claimed in claim 9, wherein said at least one outlet extends in a generally radial direction of said cage and is shaped as a slot that extends from said opening.

15. The roller bearing as claimed in claim 9, wherein said storage space comprises a plurality of slots that divide an external face of said storage space into generally identical surface portions.

16. The roller bearing as claimed in claim 9, wherein said outlet extends in a tangential direction of said cage and opens into one of said two chambers.

17. The roller bearing as claimed in claim 9, wherein said roller bearing comprises means for operating said roller bearing in a depressurized state.

18. A method for producing a cage with a storage space for a lubricant, the cage including at least one storage space for lubricant between two chambers for rotating elements, the storage space including at least one outlet for the lubricant, wherein the storage space

further includes an opening that opens towards an axis of the cage, said method comprising
the step of molding in a clamshell mold having two parts that move with respect to one
another about a mold axis, wherein the mold is opened generally along a cage axis of the cage
formed in the mold.

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